

**Amendments to the Specification:**

Please replace the paragraph on Page 6, starting at line 3 which starts with "Yet another embodiment of the present" with the following amended paragraph:

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ai Yet another embodiment of the present invention relates to a motion control system. Such a motion control system might include a position command generator, a feedforward command generator, a controller, and a feedforward tuning unit. The position command generator can be adapted to produce position commands. The feedforward command generator can be adapted to produce feedforward commands based upon feedforward compensation parameters. One of the feedforward compensation parameters might include a time-shift compensation parameter that compensates for time-shift relationships in the system. The controller can be adapted to communicate with an actuator, the position command generator, and the feedforward command generator. In one embodiment of the present invention, the controller communicates via a data communication network and in compliance with a communications protocol. One exemplary communication protocol is a hypertext transfer protocol. The controller can also be adapted to control the motion of the actuator based upon the position commands and feedforward commands.

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